

**ABSTRACT OF THE DISCLOSURE**

A receiver circuit. A reference voltage circuit is supplied with a first power supply voltage for outputting a reference voltage that is a mid-point voltage between the first  
5 power supply voltage and ground. A reference current circuit generates a first current according to the reference voltage. A receiving circuit is supplied with a second power supply voltage higher than the first power supply voltage, including a first current source for generating a second current according  
10 to the first current, and a differential amplifier circuit for generating an output signal contained within a voltage range of the first power supply voltage and centered around the mid-point voltage of the first power supply voltage according to the second current.